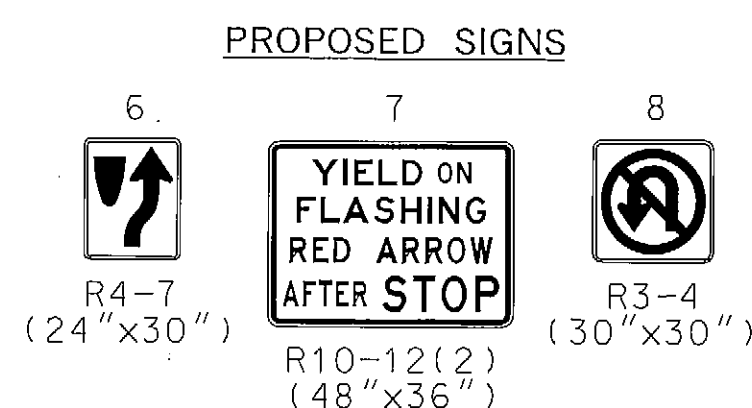
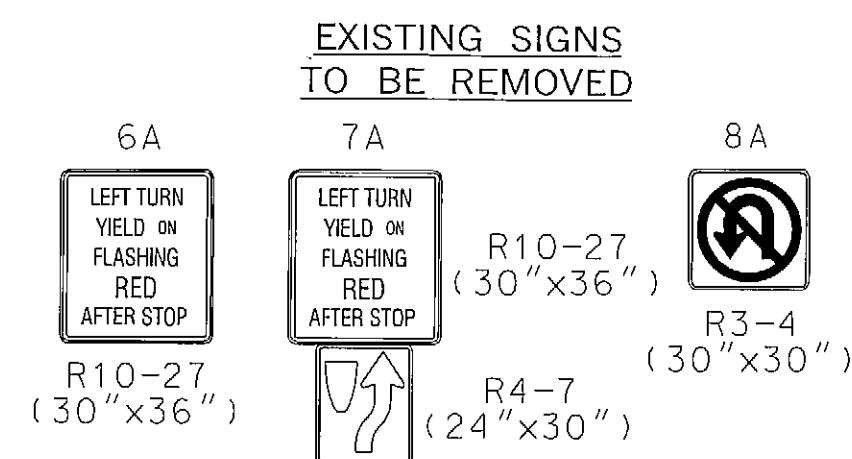


MD 85 IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION



PROPOSED VIDEO  
DETECTION CAMERA  
a+b

EXISTING SIGNALS  
TO BE REMOVED

2A 3A

12" 12"

EXISTING SIGNALS  
TO REMAIN

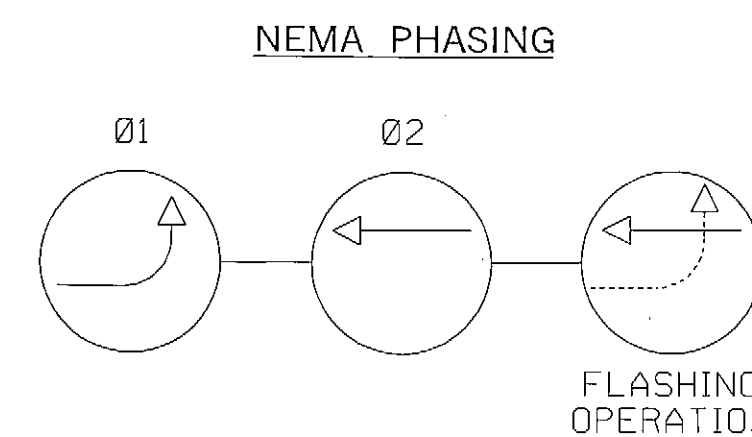
1 4,5

12" 12"

PROPOSED  
SIGNALS

2 3

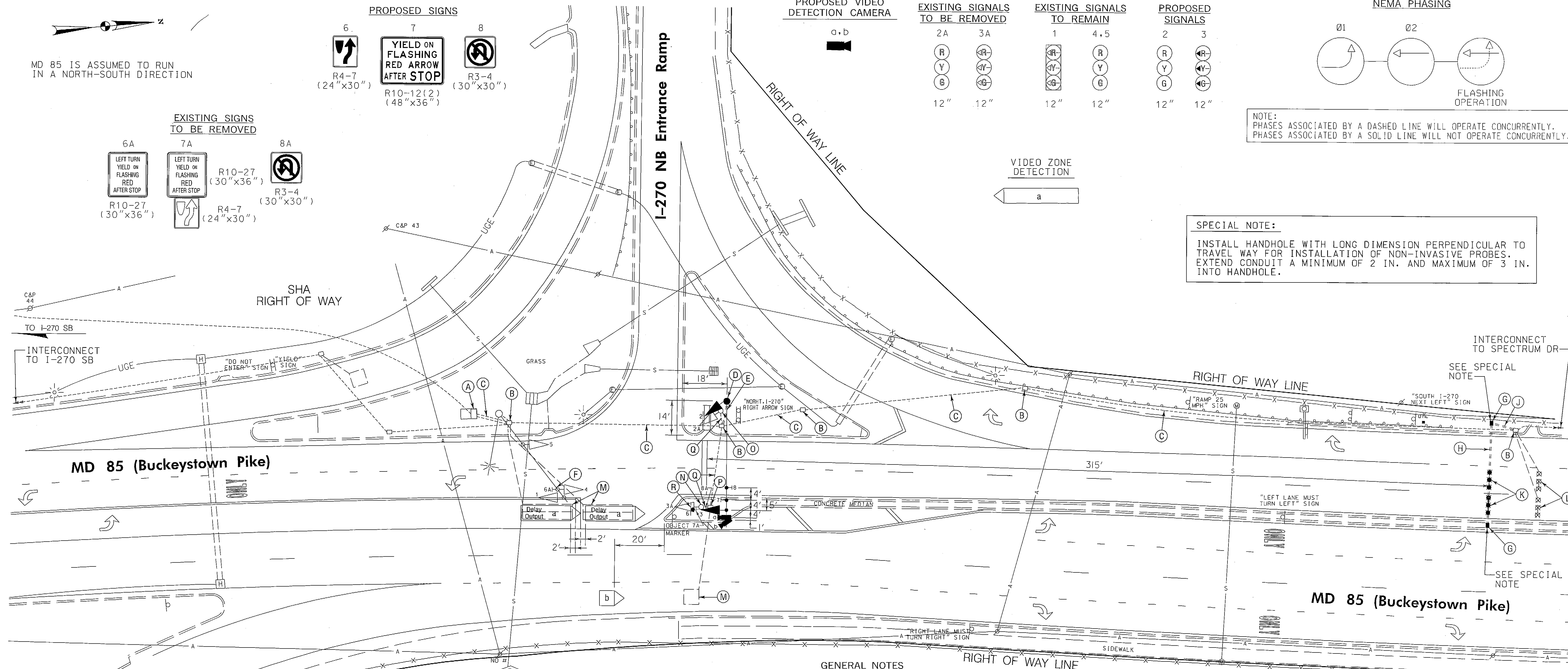
12" 12"



NOTE:  
PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

SPECIAL NOTE:

INSTALL HANDHOLE WITH LONG DIMENSION PERPENDICULAR TO  
TRAVEL WAY FOR INSTALLATION OF NON-INVASIVE PROBES.  
EXTEND CONDUIT A MINIMUM OF 2 IN. AND MAXIMUM OF 3 IN.  
INTO HANDHOLE.



CONSTRUCTION DETAILS

- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER. (NOTE: SHA FORCES SHALL RETROFIT CONTROLLER EQUIPMENT TO OPERATE VIDEO DETECTION EQUIPMENT).
- USE EXISTING HANDHOLE.
- USE EXISTING CONDUIT.
- INSTALL CONCRETE FOUNDATION WITH A 27 FT. STEEL POLE WITH A 50 FT. MAST ARM, TRAFFIC SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERAS MOUNTED ON MAST ARM. (INSTALL 1-2 IN. AND 1-4 IN. SCHEDULE 80, 90 DEGREE PVC ELECTRICAL CONDUIT BENDS IN POLE BASE).
- INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- REMOVE EXISTING R10-27 (30 IN. x 36 IN.) SIGN FROM MAST ARM AS SHOWN.
- INSTALL HANDHOLE.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- INSTALL NON-INVASIVE MICROLOOP PROBE SET WITH 500 FT. LEAD-IN IN PROPOSED 3 IN. CONDUIT.
- ABANDON EXISTING MICROLOOP PROBE SET. DISCONNECT AND REMOVE MICROLOOP PROBE CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- ABANDON EXISTING LOOP DETECTOR. DISCONNECT AND REMOVE LOOP DETECTOR CABLES FROM CONDUITS, HANDHOLES, SIGNAL STRUCTURES AND CONTROLLER.
- REMOVE EXISTING PEDESTAL POLE, SIGNAL HEAD AND SIGNS.
- REMOVE EXISTING PEDESTAL POLE AND SIGNAL HEAD. REMOVE FOUNDATION 12 IN. BELOW GRADE AND BACKFILL.
- REMOVE EXISTING HANHOLE.
- CAP AND ABANDON EXISTING CONDUIT.
- INSTALL R4-7 (24 IN. x 30 IN.) SIGN ON ONE 4 IN. x 4 IN. TREATED WOOD POST (L=15').

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING PROPOSED SIGNAL EQUIPMENT. IF ANY UTILITY CONFLICTS SHOULD ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE.
- REMOVE AND DISPOSE OF ALL UNUSED SIGNAL CABLE.
- THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING MEDIANS CAUSED BY THE INSTALLATION OF SIGNAL EQUIPMENT.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE NEW SIGNAL.

TOD NO: XX650-14  
SHA NO: FR122B51  
MD 85 @ Various Locations



STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF TRAFFIC & SAFETY  
TRAFFIC ENGINEERING DESIGN DIVISION

MD 85 (Buckeystown Pike) and I-270 Northbound Entrance Ramp  
Frederick, Maryland

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 10/1997 CONTRACT NO. AW104A5K6SK

DESIGNED BY N. Leary COUNTY Frederick  
DRAWN BY S. Bloss LOGMILE 10008509.22  
CHECKED BY T. Hannan TMS NO.  
F.A.P. NO. TOD NO.

TS NO. 3743A DRAWING TSP-5 OF 8 SHEET NO. 5 OF 8

GEOMETRIC LEGEND	
—	EXISTING
- - -	PROPOSED
UTILITY LEGEND	
—SD—SD	STORM DRAIN
—G—G	GAS MAIN
—W—W	WATER MAIN
—S—S	SEWER MAIN
—E—E	ELECTRIC CABLES
—A—A	AERIAL CABLES
—T—T	TELEPHONE CABLES
—F—F	FIBER-OPTIC

APPROVALS	
YEAR LEADER	
ASST. DIR. / CHIEF	
DIVISION CHIEF	
DIRECTOR	

REVISIONS	

PLOTTED: March 29, 2012  
FILE: N:\31609-215\CAOD\PSG-P005-0270NB.dgn



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BY: sbloss